

**IN THE CLAIMS:**

The present listing of claims replaces all prior versions, and listings of claims in the application.

1. (Currently Amended) ~~Ceramic~~ A ceramic material[[,]] characterized in that it comprising,

0.2 to 5 wt.% of carbon particles having a maximum particle size of 5 µm,  
wherein said ceramic material has,

an HV10 hardness of not more than 15.5 GPa, and

an E modulus at room temperature of less than 330 GPa and ~~contains 0.2 to 5 wt.% of carbon particles, the carbon particles having a maximum particle size of 5 µm.~~

2. (Currently Amended) ~~Ceramic~~ material according to claim The ceramic material of Claim 1[[,]] characterized in that ~~the content of carbon particles is~~  
wherein said ceramic material comprises 0.2 to 3 wt.% of carbon particles.

3. (Currently Amended) ~~Ceramic~~ material according to claims 1 to 2,  
characterized in that The ceramic material of Claim 1 wherein said ceramic material has a density of the material corresponds corresponding to at least 98.5 % of the theoretical density.

4. (Currently Amended) ~~Ceramic~~ material according to claims 1 to 3,  
characterized in that The ceramic material of Claim 1 where said ceramic material has:

an RT flexural strength of at least 750 MPa,

a fracture toughness of at least 5.5 Mpa m<sup>1/2</sup>, and

a Poisson ratio or transverse contraction coefficient at 25 °C of ≤ 0.3.

5. (Currently Amended) ~~Ceramic~~ material according to claims 1 to 4,  
characterized in that The ceramic material of Claim 1 wherein said ceramic material has no is free of at least one of macroscopic defects larger than 20 µm and[[/or]] optical heterogeneities larger than 50 µm.

6. (Currently Amended) ~~Ceramic material according to claims 1 to 5, characterized in that it~~ The ceramic material of Claim 1 wherein said ceramic material is a material based on selected from the group consisting of silicon nitride ceramic material or and zirconium dioxide ceramic material.

7. (Currently Amended) ~~Ceramic material according to one of claims 1 to 6, characterized in that it~~ The ceramic material of Claim 6 wherein said ceramic material is a material based on silicon nitride ceramic material and the ceramic material additionally further comprises particles of at least one of carbide, nitride, carbonitride, boride and[[/or]] silicide compounds

of elements of groups IVB, VB and VIB of the periodic table, or  
of silicon, [[and/]]or  
of iron,

further wherein said particles have a the maximum size thereof that does not exceed 10 µm, and the maximum concentration thereof of said particles is < 50 vol.%.

8. (Currently Amended) Process for the preparation of A process of preparing a ceramic material according to one of claims 1 to 7, wherein comprising 0.2 to 5 wt.% of carbon particles having a maximum particle size of 5 µm, wherein said ceramic material has, an HV10 hardness of not more than 15.5 GPa, and an E modulus at room temperature of less than 330 GPa,  
said process comprising the steps of:

providing raw materials;

subjecting the raw materials are subjected to wet grinding thereby forming wet ground raw materials; and

adding one or more organic additives are added to said wet ground raw materials, thereby forming intermediate wet ground materials;[[,]] and  
then subjected to drying and granulation, drying and granulating the intermediate wet ground materials; and

shaping the dried and granulated intermediate wet ground materials by

means of[,,] heating and sintering thorough heating of the organic additives and a sintering process,  
characterized in that the wherein process conditions are chosen selected such that carbon particles are separated out, and said ceramic material is free of at least one of no macroscopic defects larger than 20 µm and[[/or]] optical heterogeneities larger than 50 µm are formed.

9. (Currently Amended) Process according to claim 8[,,] characterized in that further comprising to avoid the formation of macroscopic defects larger than 20 µm and/or optical heterogeneities larger than 50 µm, the sieving a suspension, formed during wet grinding, is sieved over a magnetic separator and a fine sieve/fine filter having a maximum sieve opening/filter pore size of 50 µm.

10. (Currently Amended) Process according to claim 9, characterized in that The process of Claim 9 wherein said raw materials comprise Si<sub>3</sub>N<sub>4</sub> powder, and sintering auxiliaries[,,] as raw materials, and optionally with the addition of a dispersing auxiliary, and said organic additives are selected from at least one member of the group consisting of polyacrylates, polyvinyl alcohols, polyglycols and polyvinylpyrrolidone,  
said process further comprising,

forming said raw materials are processed into a slip,  
the slip is subjected to wet grinding the slip, and  
polyacrylates, polyvinyl alcohols, polyglycols and/or polyvinylpyrrolidone are added adding said organic additives to the slip as organic additives, thereby forming a the mixture formed is then subjected to a  
drying the mixture and granulation and a shaping, the drying being carried out at temperatures below 200 °C,  
granulating the dried mixture,  
shaping the granulated and dried mixture the organic additives are then heated by heating thoroughly at temperatures of between 100 and 400 °C for a duration of 0.5 to 4 h in air, or between 100 and 800 °C for a duration of 0.5 to 4 h in

an inert atmosphere or in vacuo, thereby forming a shaped body, and[.] finally,  
sintering the thoroughly heated shaped body formed is sintered in by means  
of a two-stage process comprising a first stage and a second stage[.]) wherein  
in the first stage the shaped body is treated for 0.5 to 5 h at a  
temperature of up to 2,000 °C under an N<sub>2</sub> or inert gas pressure of 1 to  
50 bar, and  
in the second stage if the shaped body is treated for 0.5 to 2.5 h  
at a temperature of up to 2,000 °C under an N<sub>2</sub> or inert gas pressure of  
50 to 2,500 bar.

11. (Currently Amended) Process according to claim 8 or 9, characterized in  
that The process of Claim 9 wherein said raw materials comprise ZrO<sub>2</sub> powder, and  
sintering auxiliaries, as raw materials, optionally with the addition of and optionally a  
dispersing auxiliary, and said organic additives comprise at least one member of the  
group consisting of polyacrylates, polyvinyl alcohols, polyglycols and/or  
polyvinylpyrrolidone,  
said process further comprising,

processing said raw materials are processed into a slip,  
the slip is subjected to wet grinding the slip, and  
polyacrylates, polyvinyl alcohols, polyglycols and/or polyvinylpyrrolidone are  
added adding said organic additives to the slip, as organic additives, the thereby  
forming a mixture, formed is then subjected to a  
drying the mixture and granulation and a shaping, the drying being carried out  
at temperatures below 250°C,  
granulating the dried mixture,  
shaping the dried and granulated mixture the organic additives are then  
heated by heating thoroughly at temperatures of between 100 and 400 °C for a  
duration of 0.5 to 4 h in air, or between 100 and 800 °C for a duration of 0.5 to 4 h in  
an inert atmosphere or in vacuo, thereby forming a shaped body, and[.]) finally,  
the thoroughly heated shaped body formed is sintered sintering the shaped  
body in a two-stage process comprising a first stage and a second stage, wherein  
in the first stage the shaped body is treated for 0.5 to 5 h at a

temperature of up to 1,700°C under an N<sub>2</sub> or inert gas pressure of 1 to 50 bar, and

in the second stage ~~if the shaped body~~ is treated for 0.5 to 2.5 h at a temperature of up to 1,700°C under an N<sub>2</sub> or inert gas pressure of 50 to 2,500 bar.

12. (Currently Amended) ~~Use of a An article of manufacture comprising the ceramic material of Claim 1 according to one of claims 1 to 7 as wherein said article of manufacture is selected from the group consisting of bearing roller bodies, engine valves and tool inserts in bearings and other components subjected to impact as well as shaped articles.~~